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A. Williams
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Attorney Docket No. 05685.P032

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Louis C. Yun, et al.

Application No.: 09/437,764

Filed: November 9, 1999

For: DOWNLINK SIGNAL
PROCESSING IN CDMA SYSTEMS
UTILIZING ARRAY OF ANTENNAE

Examiner: J. Logsdon

Art Group: 2662

Assistant Commissioner for Patents
Washington, D.C. 20231

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Technology Center 2600

PRELIMINARY AMENDMENT

Sir:

Prior to examination please enter the following amendments:

IN THE CLAIMS

Please amend claims 1, 4, 10-18 and 19. Please add claims 24 – 46 as follows:

1. (Amended) A method to determine a cellular communication base station (BS) antennae array weight set corresponding to a subscriber unit (SU), comprising:
- transmitting a plurality of CDMA pilot downlink signals from the BS to the SU, each pilot downlink signal processed with a different weight set than the other pilot downlink signals;
- receiving a report signal for at least one of the pilot downlink signals; and